

PATENT 

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
UNITED STATES RECEIVING OFFICE (RO/US)  
(Attorney Docket No. 05-949)

In the Application of:

Matejat, et al.

U.S Application No.: 10/559,396

Filing Date: December 5, 2005

International Appln No. PCT/EP04/06115

International Filing Date: June 7, 2004

For: Method for Regenerating Etching Solution  
Containing Iron for the Use in Etching or  
Pickling Copper or Copper Alloys and an  
Apparatus for Carrying Out Said Method

Examiner: TBD

Art Unit: TBD

Confirmation No. 5607

**TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

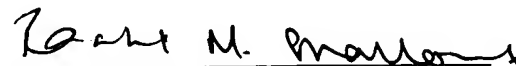
Dear Sir:

In regard to the above identified application,

1. We are transmitting herewith the attached:
  - a) Information Disclosure Statement (2 sheets);
  - b) PTO Form 1449 (1 sheet);
  - c) Eight (8) Cited References; and
  - d) Return Receipt Postcard.
2. With respect to fees:
  - a) Please charge any fees to our Deposit Account No. 13-2490.
  - b) Please charge any underpayment or credit any overpayment our Deposit Account, No. 13-2490.
3. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 16, 2006.

Dated: May 16, 2006

By: Respectfully submitted,



Raafat M. Shaltout  
Registration No. 45,092



## PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**(Case No. 05-949)**

In the Application of:

Mategat et al.

Serial No. : 10/559.396

Filed: December 5, 2005

For: Method for Regenerating Etching Solution  
Containing Iron for the Use in Etching or  
Pikling Copper or Copper Alloys and an  
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## **INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. Section 1.97 - 1.99, the Applicant wishes to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. Section 1.56. Copies of the references 3-8 cited below are enclosed. These references are also listed on the enclosed PTO Form 1449.

In the judgment of the undersigned, portions of the listed references may be material to the Examiner's consideration of the presently pending claims. However, the references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative relevance between references, whether cited in this or prior statements. This statement is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. Section 102 or Section 103.

## United States Patents

1. Faul et al., U.S. Patent No. 4,265,722, issued May 5, 1981.
2. Petraitis et al., U.S. Patent No. 4,880,495, issued November 14, 1989.

### Foreign Patents

3. PCT Patent Application No. WO 00/26440 A2, published May 11, 2000.
4. European Patent Application No. EP 0 794 269, published June 6, 2002.

### Other Documents

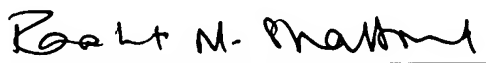
5. William H. Parker, (1966) "Regenerating Ferric Sulfate Etch Baths", Metal Program, 89(5):133-134.
6. "Handbuch der Leiterplattentechnik", Leuze Verlag, (1982), pp. 168-170.
7. User Manual of FA. Dr. Lange: DR 2800 Spectrophotometer, Working Procedures, (2005) Edition 1, "Alachlor" (8 pp), "Iron, Ferrous" (6 pp).
8. User Manual of Fa. Metrohm: Potentiometric Titration, The Metrohm Instrument Program, pp. 10-26.

In accordance with MPEP Sections 609 and 707.05(b), it is requested the document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

Respectfully submitted,

Date: May 16, 2006

By:



Raafat M. Shaltout, Ph.D.

Reg. No. 45,092

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<b>FORM PTO-1449</b> (Rev. 2-32)	<b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>	<b>Atty. Docket No.</b> 05-949	<b>Serial No.</b> 10/559,396
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)			
		<b>Applicant:</b> Mategat, et al.	
		<b>Filing Date:</b> December 5, 2005	<b>Group:</b> TBA



### U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	4,265,722	May 5, 1981	Faul et al.			
	2.	4,880,495	Nov 14, 1989	Petratis et al.			
EXAMINER				DATE CONSIDERED			

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
	3.	WO 00/26440 A2	May 11, 2000				Yes	No
	4.	EP 0 794 269	June 6, 2002					

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	5.	William H. Parker, (1966) "Regenerating Ferric Sulfate Etch Baths", <i>Metal Program</i> , 89(5):133-134.					
	6.	"Handbuch der Leiterplattentechnik", <i>Leuze Verlag</i> , (1982), pp. 168-170.					
	7.	User Manual of FA. Dr. Lange: DR 2800 Spectrophotometer, Working Procedures, (2005) Edition 1, "Alachlor" (8 pp), "Iron, Ferrous" (6 pp).					
	8.	User Manual of Fa. Metrohm: Potentiometric Titration, The Metrohm Instrument Program, pp. 10-26.					
EXAMINER				DATE CONSIDERED			

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.